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ABSTRACT

The invention relates to a method for determining a mimotope sequence for a receptor comprising the steps of: a) providing a library of test sequences; b) determining the activity of each test sequence of the library towards the receptor identifying a test sequence comprising at a certain position a building block which, according to the results of step b) is favored at said position; d) providing a next library of test sequences, based on said test sequence identified in step c), by replacing a building block at selected positions of the identified test sequence with selected building blocks; e) determining the activity of each test sequence of the library provided in step d) towards the receptor, f) identifying a test sequence comprising at a certain position a building block which, according to the results of step e), is favored at said position; g) repeating steps d) - f) for the library of test sequences provided in step d), for a number of cycles sufficient for finding in step f) a mimotope sequence that gives sufficient activity towards the receptor.

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